

# Receiving Report

Date: 14/12/01

Batch No: 131002

Supplier: Adra II

Dart P/O: 26633

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier: Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

S.D.  
14/12/01

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO26633

Purchase Order Date 11/26/2014  
PO Print Date 11/26/2014

Page Number 1 of 1

Order From :

VU-AV1003

Ship To : DART AEROSPACE LTD

AVIALL  
PO BOX 842275

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DALLAS, TX 75284-2275  
USA

Contact Name

Vendor Phone

905-676-1695

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

EXW - (Ex Works)

Line Nbr	Reference	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Vendor Part Number						
	Line Comments		Promise Date				
	Delivery Comments						
100 20		HYSOL EA934 AS9174016	12/2/2014		2.00 ✓	\$139.82	\$279.64
			Yes		Each		
			12/2/2014				
	Procurement Quality Clauses						
	A005 RIGHT OF ENTRY						
	A014 SHELF LIFE CONTROLLED MATERIAL; 70% SHELF						
	LIFE REQUIRED AT RECEIPT (68.1% ACCEPTABLE)						
	A026 CERTIFICATION OF MATERIAL CONFORMANCE						
	A040 NOTIFICATION OF QUALITY ESCAPE						
	A042 DART NOTIFICATION BY SUPPLIER						
	A063 RETENTION OF QUALITY DOCUMENTS						

Line Total: \$279.64

Deliver To: IAN

100 11

PRO-SEAL PS890B2

12/2/2014

Yes

12/2/2014

12.00 ✓

Each

\$73.19

\$878.28

ALL STOCK FROM DALLAS

Line Total: \$878.28

Deliver To: ANDY

PO Total: \$1,157.92

PO Instructions: Fedex Acc#151793240

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

Change Date: 11/26/2014



# PACKING LIST



DELIVERY NUMBER: 8001173207

ROUTE: US FedEx International Priority

PAGE: 1 OF 1  
DATE: 11/26/2014  
TIME: 19:29:01  
EMP: 00000000  
ORD TYP: ZSO 169  
CURRENCY: USD

CUSTOMER PO: 26633  
ORDER NUMBER: 1000806446  
ORDER DATE: 11/26/2014

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10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

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DART AEROSPACE LTD  
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HAWKESBURY ON K6A 1K7  
CANADA

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AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261-9048  
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	10	6P	AS9174016 ADHESIVE: EPOXY, A/B, QT BATCH 7363797604 Exp Date: 10/16/2015	2	2	0	EA	186.42	139.82	279.64

14/12/03  
SP

SP14-12-01

**This is not an Invoice.  
For payment processing, please refer to Invoice.**

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.  
Diversion contrary to U.S. Law is prohibited.

## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

*[Signature]*

JR Hofmann, Director, Global Quality

11/26/2014  
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.

CUSTOMER COPY

## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper Aviall Services Inc  
2750 Regent Blvd  
Dallas, Texas, 75261  
U.S.A.

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number  
(optional)

8001173207

Consignee DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON, K6A 1K7  
Canada

MASTERFORM  
by LABELMASTER®

Created using  
International Air  
regulations and  
FedEx carrier  
variations.

Two completed and signed copies of this declaration  
must be handed to the operator.

## WARNING

Failure to comply in all respects with the applicable  
Dangerous Goods Regulations may be in breach of the  
applicable law, subject to legal penalties.

## TRANSPORT DETAILS

This shipment is within the  
limitations prescribed for:  
(delete non-applicable)

Airport of Departure:

PASSENGER  
AND CARGO  
AIRCRAFT

XXXXXX  
AIRCRAFT  
XXXXXX

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

XXXXXXXXXX

## NATURE AND QUANTITY OF DANGEROUS GOODS

## Dangerous Goods Identification

UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing	Packing Inst.	Authorization
UN3077	Environmentally hazardous substance, solid, n.o.s. (Triglycidyl-p-aminophenol, Bisphenol-F Epichlorhydrin resin)	9	III	1.658 kg	956	
UN2735	Amines, liquid, corrosive, n.o.s. (Diethylenetriamine, Triethylenetetramine)	8	II	0.6 L  All packed in one Fibreboard Box Q=0.7	851	

Additional Handling Information ICAO ERG CODE 9L (UN3077) ICAO ERG CODE 8L (UN2735). Emergency Contact Name: CCN2132.  
Emergency Contact Phone: 1-800-424-9300 // INTL +1-703-527-3887

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.

Name/Title of signatory

Cedric Hubbard

Hazardous Shipper

Place and Date Dallas Tx, 75261 11/26/2014

Signature

(see warning above)





# COMMERCIAL INVOICE

NOEEI FTR 30.36

AVIALL CENTRAL WAREHOUSE  
2750 REGENT BLVD  
DFW AIRPORT, 75261-9048, USA

Page - 1 of 1

INCO TERMS: EXW - Shipping Point

CUSTOMER PO NO.: 26633  
PROFORMA NO.: 9301390664  
EXPORT DATE: 26-Nov-2014

DELIVERY NUMBER: 8001173207  
ORDER NUMBER: 1000806446

CONSIGNEE: 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY  
K6A 1K7, Canada

BILL TO: 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY  
K6A 1K7, Canada

ULTIMATE CONSIGNEE: 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY  
K6A 1K7, Canada

FORWARD AGENT -- FEDEX

LINE	ITEM	QUANTITY	SELL UOM	BATCH NUMBER	DISCOUNT	NET AMOUNT
	DESCRIPTION	UNIT PRICE	CURRENCY	SERIAL NUMBER	USD	USD
1	AS9174016	2.000	EA	7363797604	0.00	279.64
	ADHESIVE:	139.82	USD			
	EPOXY,A/B,QT					

Export Classification: EAR99 Schedule B: 3506100000 Country of Origin: US

Export Authorization Number: NLRAT\_NOV\_2014

FOR CUSTOM PURPOSES ONLY

GROSS AMOUNT	279.64
INVOICE DISCOUNT	0.00
ADD ON CHARGES	0.00
TAX AMOUNT	0.00
FREIGHT CHARGE	0.00
NET AMOUNT	279.64
DOWN PAYMENT	0.00
NET AMOUNT DUE	279.64

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US laws is prohibited

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR STANDARDS ACT OF 1938 AS

**POTENTIAL HAZARDS**

**FIRE OR EXPLOSION**

- Some may burn but none ignite readily.
- Containers may explode when heated.
- Some may be transported hot.

**HEALTH**

- Inhalation of material may be harmful.
- Contact may cause burns to skin and eyes.
- Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce irritating, corrosive and/or toxic gases.
- Some liquids produce vapors that may cause dizziness or suffocation.
- Runoff from fire control may cause pollution.

**PUBLIC SAFETY**

- **CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.
- Keep unauthorized personnel away.
- Stay upwind.

**PROTECTIVE CLOTHING**

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

**EVACUATION**

**Spill**

- See Table 1 - Initial Isolation and Protective Action Distances for highlighted materials. For non-highlighted materials, increase, in the downwind direction, as necessary, the isolation distance shown under "PUBLIC SAFETY".

**Fire**

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

**EMERGENCY RESPONSE**

**FIRE**

**Small Fire**

- Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Large Fire**

- Water spray, fog or regular foam.
- Do not scatter spilled material with high pressure water streams.
- Move containers from fire area if you can do it without risk.
- Dike fire-control water for later disposal.

**Fire involving Tanks**

- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.

**SPILL OR LEAK**

- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent dust cloud.
- Avoid inhalation of asbestos dust.

**Small Dry Spill**

- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

**Small Spill**

- Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**Large Spill**

- Dike far ahead of liquid spill for later disposal.
- Cover powder spill with plastic sheet or tarp to minimize spreading.
- Prevent entry into waterways, sewers, basements or confined areas.

**FIRST AID**

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## 11. TOXICOLOGICAL INFORMATION

### Product toxicity data:

Henkel is not aware of any toxicity data on the specific mixture of chemical components contained in this product.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Amine adduct	No	No	No
2,2'-iminodi(ethylamine)	No	No	No
Triethylenetetramine	No	No	No

Hazardous components	Health Effects/Target Organs
Amine adduct	No Records
2,2'-iminodi(ethylamine)	Allergen, Irritant, Eyes
Triethylenetetramine	Allergen, Corrosive, Developmental, Irritant, Mutagen

## 12. ECOLOGICAL INFORMATION

### Ecological Information:

Not available

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

### Recommended method of disposal:

Dispose of according to Federal, State and local governmental regulations.

### Hazardous waste number:

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Amines, liquid, corrosive, n.o.s. (Diethylenetriamine, Triethylenetetramine)  
Hazard class or division: 8  
Identification number: UN 2735  
Packing group: II

### International Air Transportation (ICAO/IATA)

Proper shipping name: Amines, liquid, corrosive, n.o.s. (Diethylenetriamine, Triethylenetetramine)  
Hazard class or division: 8  
Identification number: UN 2735  
Packing group: II

### Water Transportation (IMO/IMDG)

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Diethylenetriamine, Triethylenetetramine)  
Hazard class or division: 8  
Identification number: UN 2735  
Packing group: II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

#### TSCA 8 (b) Inventory Status:

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory

#### TSCA 12(b) Export Notification:

None above reporting de minimus

#### CERCLA/SARA Section 302 EHS:

None above reporting de minimus

#### CERCLA/SARA Section 311/312:

Immediate Health, Delayed Health

#### CERCLA/SARA 313:

None above reporting de minimus

#### California Proposition 65:

No California Proposition 65 listed chemicals are known to be present.

**International Air Transportation (ICAO/IATA)**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Triglycidyl-p-aminophenol, Bisphenol-F Epichlorhydrin resin)  
Hazard class or division: 9  
Identification number: UN 3077  
Packing group: III

**Water Transportation (IMO/IMDG)**

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Triglycidyl-p-aminophenol, Bisphenol-F Epichlorhydrin resin)  
Hazard class or division: 9  
Identification number: UN 3077  
Packing group: III  
Marine pollutant: Triglycidyl-p-aminophenol, Bisphenol-F Epichlorhydrin resin  
Exceptions: Classified per IMDG Amendment 34, Effective Jan 1, 2010.

**15. REGULATORY INFORMATION****United States Regulatory Information**

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory  
TSCA 12(b) Export Notification: None above reporting de minimus  
CERCLA/SARA Section 302 EHS: None above reporting de minimus  
CERCLA/SARA Section 311/312: Immediate Health, Delayed Health  
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Aluminum (CAS# 7429-90-5).  
California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List  
WHMIS hazard class: D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.



**LOCTITE®**

Revision Number: 002.2

Issue date: 07/13/2011

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** EA 934NA PART A QUART  
**Product type:** Adhesive for the Aerospace Industry

**IDH number:** 936944  
**Item number:** AA9174016  
**Region:** United States

**Company address:**  
 Henkel Corporation  
 2850 Willow Pass Road  
 Bay Point, California 94565

**Contact information:**  
 Telephone: 925.458.8000 Fax: 925.458.8030  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**Physical state:** Solid  
**Color:** Gray  
**Odor:** Slight

**HMIS:**

**HEALTH:** \*2  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 1  
**Personal Protection:** See MSDS Section 8

**WARNING:** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
 MAY CAUSE ALLERGIC SKIN REACTION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** This product may cause irritation to the skin. This product may cause an allergic skin reaction.  
**Eye contact:** This product may cause irritation to the eyes.  
**Ingestion:** Not a relevant route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Triglycidyl-p-aminophenol	5026-74-4	30 - 60
Aluminum	7429-90-5	30 - 60
Phenol polymer with formaldehyde, glycidyl ether	28084-14-4	10 - 30
Glass, oxide, chemicals	65997-17-3	5 - 10
Silica, amorphous, fumed, crystal-free	112945-52-5	1 - 5
Treated fumed silica	67762-90-7	1 - 5

IDH number: 936944

Page 1 of 5

Product name: EA 934NA PART A QUART

#### 4. FIRST AID MEASURES

Inhalation:	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Notes to physician:	Treat symptomatically and supportively.

#### 5. FIRE FIGHTING MEASURES

Flash point:	> 93 °C (> 199.4 °F)
Autoignition temperature:	Not determined
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
Hazardous combustion products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.	
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
Clean-up methods:	Scrape up spilled material and place in a closed container for disposal. Dispose of according to Federal, State and local governmental regulations.

#### 7. HANDLING AND STORAGE

Handling:	For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part A at temperatures greater than 80 °C (176 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full.
Storage:	For safe storage, store between 0 °C (32°F) and 5 °C (41°F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Refrigerated storage is recommended to maintain product quality.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Triglycidyl-p-aminophenol	None	None	None	None
Aluminum	1 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA (as Al) Total dust. 5 mg/m3 TWA (as Al) Respirable dust.	None	None
Phenol polymer with formaldehyde, glycidyl ether	None	None	None	None
Glass, oxide, chemicals	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 3.8 mg/m3 TWA	None	None
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None

### Engineering controls:

Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

### Respiratory protection:

When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

### Eye/face protection:

Safety goggles or safety glasses with side shields.

### Skin protection:

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	Gray
Odor:	Slight
Odor threshold:	Not available
pH:	Neutral
Vapor pressure:	Not applicable
Boiling point/range:	Not determined
Melting point/ range:	Not determined
Specific gravity:	1.55
Vapor density:	> 1
Flash point:	> 93 °C (> 199.4 °F)
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not determined
Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not determined
VOC content:	< 10 g/l per SCAQMD Rule 1124 [EPA Test Method 24/304-31] (estimated)

## 10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	May occur.
Hazardous decomposition products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
Incompatible materials:	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
Conditions to avoid:	Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

## 11. TOXICOLOGICAL INFORMATION

Product toxicity data:	Henkel is not aware of any toxicity data on the specific mixture of chemical components contained in this product.
------------------------	--

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Triglycidyl-p-aminophenol	No	No	No
Aluminum	No	No	No
Phenol polymer with formaldehyde, glycidyl ether	No	No	No
Glass, oxide, chemicals	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
Treated fumed silica	No	No	No

Hazardous components	Health Effects/Target Organs
Triglycidyl-p-aminophenol	Allergen, Irritant, Mutagen
Aluminum	Central nervous system, Irritant, Lung
Phenol polymer with formaldehyde, glycidyl ether	Irritant, Allergen
Glass, oxide, chemicals	Allergen, Respiratory
Silica, amorphous, fumed, crystal-free	Nuisance dust
Treated fumed silica	Irritant

## 12. ECOLOGICAL INFORMATION

Ecological information:	Toxic to aquatic organisms
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## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Dispose of according to Federal, State and local governmental regulations.
Hazardous waste number:	Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None



Revision Number: 002.1

Issue date: 02/17/2011

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: EA 934NA PART B 8 OZ  
Product type: Adhesive for the Aerospace Industry

IDH number: 936945  
Item number: AB9174014  
Region: United States

Company address:  
Henkel Corporation  
2850 Willow Pass Road  
Bay Point, California 94565

Contact information:  
Telephone: 925.458.8000 Fax: 925.458.8030  
MEDICAL EMERGENCY Phone: Poison Control Center  
1-877-671-4608 (toll free) or 1-303-592-1711  
TRANSPORT EMERGENCY Phone: CHEMTREC  
1-800-424-9300 (toll free) or 1-703-527-3887  
Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Physical state: Liquid  
Color: Amber  
Odor: Ammonia

**HMIS:**

HEALTH: \*3  
FLAMMABILITY: 1  
PHYSICAL HAZARD: 1  
Personal Protection: See MSDS Section 8

**DANGER-CORROSIVE! CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.  
MAY CAUSE ALLERGIC SKIN REACTION.**

Relevant routes of exposure: Skin, Inhalation, Eyes

**Potential Health Effects**

**Inhalation:** Mists, vapors or liquid may cause severe irritation or burns.  
**Skin contact:** This product is severely irritating to the skin and may cause burns. This product may cause an allergic skin reaction.  
**Eye contact:** This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.  
**Ingestion:** Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Amine adduct	Proprietary	60 - 100
2,2'-Iminodi(ethylamine)	111-40-0	10 - 30
Triethylenetetramine	112-24-3	1 - 5

**4. FIRST AID MEASURES****Inhalation:**

If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.

IDH number: 936945

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Product name: EA 934NA PART B 8 OZ

<b>Skin contact:</b>	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	> 93 °C (> 199.4 °F)
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Extinguishing media:</b>	Water spray (fog), foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	May liberate large quantities of dense, foul-smelling smoke which may contain unidentified toxic gasses.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	For the Part A plus Part B adhesive mixture, follow curing schedule as recommended in product literature. Do not heat Part B at temperatures greater than 100 °C (212 °F). This material may self-react at higher temperatures and cause an exotherm. The exotherm has the potential for release of excessive energy and toxic gasses. Empty containers retain product residue, so obey hazard warnings and handle empty containers as if they were full. Do not cut, grind, weld, or drill on or near this container.
<b>Storage:</b>	For safe storage, store between 0 °C (32°F) and 25 °C (77°F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Amine adduct	None	None	None	None
2,2'-bimino-di(ethylamine)	1 ppm TWA (SKIN)	None	None	None
Triethylenetetramine	None	None	1 ppm (6 mg/m3) TWA (SKIN)	None

<b>Engineering controls:</b>	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Wear chemical goggles, face shield (if splashing is possible).
<b>Skin protection:</b>	Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Amber
<b>Odor:</b>	Ammonia
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not determined
<b>Vapor pressure:</b>	< 1.0 mm hg (20 °C (68°F))
<b>Boiling point/range:</b>	207 °C (404.6 °F)
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	0.96
<b>Vapor density:</b>	Not determined
<b>Flash point:</b>	> 93 °C (> 199.4 °F)
<b>Flammable/Explosive limits - lower:</b>	Not determined
<b>Flammable/Explosive limits - upper:</b>	Not determined
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Not determined
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>VOC content:</b>	< 10 g/l per SCAGMD Rule 1124 [EPA Test Method 24/304-91] (estimated)

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	May occur.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.
<b>Incompatible materials:</b>	Keep away from strong oxidizing agents, strong Lewis or mineral acids.
<b>Conditions to avoid:</b>	Avoid mixing resin (Part A) and curing agent (Part B) unless you plan to use immediately. Do not heat mixed adhesive unless curing surfaces to be bonded. Failure to observe these precautions may result in excessive heat build-up causing an exotherm.

Canada Regulatory Information

CEPA DSL/NDSL Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

WHMIS hazard class:

D2A, D2B, E

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Mark Mau, Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.



# Henkel

Warehouse:  
Henkel Corporation  
2850 Willow Pass Road  
BAY POINT, CA 94565-3237  
Tel: 925-458-8000  
Fax: 925-458-8030

## DELIVERY NOTE

No. 3002831105 Date 09/02/2014

### SOLD-TO-ADDRESS

Aviall Inc  
PO Box 619048  
DALLAS TX 75261-9048  
UNITED STATES OF AMERICA

REF: 441537

### SHIP-TO-ADDRESS

Aviall Inc  
2750 Regent Blvd  
DALLAS TX 75261-9048  
UNITED STATES OF AMERICA

REF: 441537

Ship to acc.:

Contact: Dedra Crutchfield  
Tel./Fax: 925-458-8282 / 925-458-8298

Ship date: 09/02/2014

Consignee must inspect upon delivery

MATERIAL DESCRIPTION	MATERIAL NO.	QTY ORDERED	QTY SHIPPED UOM	NET WEIGHT	BATCH NUMBER EXPIRATION DATE	QTY/PACK	HANDLING UNIT NUMBER
PURCHASE ORDER / COUNTRY OF ORIGIN							
Consumer Commodity, ORM-D, NAERG#153							
Delivery: 86370054 created on 08/22/2014							
LOCTITE EA 934NA QT AERO (A)-1QT (B)-80Z KIT known as HYSOL EA 934NA QT SYSTEM		168	168 EA			7x24.0	
10/PO# 45033769	US 420504		Old Mat No.: AS9174016				
ECCN: EAR99 License: NLR							
SPEC: 862	HS-AS9174		Rev. C				
Materials not regulated for transport							
				KG	JH4HAK7829 / 168EA	7x24.0	
				LB		7x24.0	
					119238948 to 119238955		
					119238955 to 119238956		
					119238956 to 119238957		
					119238957 to 119238958		
					119238958 to 119238959		
					119238959 to 119238960		
					119238960 to 119238961		
					119238961		

ITEM AS9174016=6P



BATCH 7363797604



GRIVAS  
09/09/14

AVIAL - TRUE CERTIFIED COPY - 11/26/2014 - CHUBBARD - 7363797604



# Certificate of Analysis

Attention of:  
Aviall Inc  
PO Box 619048  
Dallas TX 75261-9048

DATE  
PAGE

02 September 2014  
1 of 1

Purchase Order: 45033769  
Date of P.O.: 29 April 2014  
Sales Order: 90316727  
Delivery Note or Debit Memo: 86370054  
Delivery Note position: 900001  
Customer No.: 441537

Material: LOCTITE EA 934NA QT AERO  
(A)-1QT (B)-8OZ KIT  
Known as: HYSOL EA 934NA QT SYSTEM  
Material-No: 420504  
Legacy Code: AS9174016  
Bulk Material: 891959  
Batch no: JH4HAK7829  
Shipment Quantity: 168.000 EA  
Manufacture date: 23 July 2014  
Specification: HS-AS9174  
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY

Revision: C

Batch Tested	Test Properties	Specification	Individuals	Avg	UOM
JH4H007829	Color, Pt A - Gray	OK	OK	-	-
JH4H007829	Appearance, Pt A - Uniform paste; NFM	174.00-190.00	186.30,186.44	186.37	g/eq
JH4H007829	Weight per Epoxide, Pt A	43.00-46.00	44.21,44.46	44.34	%(M)
JH4H007829	Filler Content, Pt A	3500 9000	4160,4300,4530	4330	poise
JH4H007829	Viscosity, Pt A@77F (HBT#7, 20rpm)	1.48-1.55	1.54	1.54	g per ml
JH4H007829	Density, Pt A@77F	4 12	7	7	-
JH4H007829	Color Value, Pt B (Gardner scale)	OK	OK	-	-
JH4H007829	Appearance, Pt B - Semi-transparent liquid; NFM	11.80-14.00	12.75,12.83	12.79	%
JH4H007829	Amine Content, Pt B	10-30	26,28,28	27	poise
JH4H007829	Viscosity, Pt B@77F (HBT#1, 20rpm)	0.95-0.97	0.96	0.96	g per ml
JH4H007829	Density, Pt B@77F	> = 70	77	77	-
JH4H007829	Barcol Hardness, Barcol@77F	1.28-1.38	1.32	1.32	g per ml
JH4H007829	Cured Density, Pt A&Pt B @77F Combined	40-60	58	58	minutes(s)
JH4H007829	Pot Life, 450gms@77F	> = 3000	3490,3860,3980,4060	3928	lb/sq.inch
JH4H007829	Tensile Shear, TS@77F i00 (Bare/PAA)	> = 2000	4080,4100	3296	lb/sq.inch
JH4H007829	Tensile Shear, TS@180F i00 (Bare/PAA)	> = 1000	1320,1400,1400,1430	1416	lb/sq.inch
JH4H007829	Tensile Shear, TS@300F i00 (Bare/PAA)		1530		
JH4H007829	Date Of Testing	August 20, 2014			

The above identified product conforms to all requirements listed above at the date and place of shipment from Henkel. It altered in any manner this test report is not valid. Test reports are available for inspection at Henkel Corporation, Bay Point, California. Henkel warrants this product for 12 months from the date of shipment from Henkel or an authorized distributor when stored at a temperature of <= 40F / <= 4C. The warranty set forth is exclusively for the benefit of any recipient of the above identified product shipped directly from Henkel or a distributor that has been expressly authorized in writing by Henkel to provide such warranty on behalf of Henkel. Unless received directly from Henkel, please refer to the provider's certified letter from Henkel that establishes them as a Henkel authorized entity.

## Signed Test Report on File

Henkel Quality Assurance

Henkel Corporation,  
Aerospace Group  
2850 Willow Pass Road  
Bay Point, CA 94565-3237

Date of Shipment: 02 September 2014

Tel.: (925) 458-8000  
Fax: (925) 458 8030  
www.aerospace.henkel.com



# Addendum

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Attention of:  
Aviall Inc  
PO Box 619048  
Dallas TX 75261-9048

YOUR ORDER:  
DATE OF ORDER:  
DELIVERY NOTE:  
DELIVERY POSITION:  
CUSTOMER NO:

45033769  
29 April 2014  
86370054  
900001  
441537

Material: LOCTITE EA 934NA QT AERO  
(A)-1QT (B)-8OZ KIT  
Known as: HYSOL EA 934NA QT SYSTEM  
420504  
Material-No:  
Batch  
Batch no: JH4HAK7829  
Film Batches  
Quantity: 168.000 EA  
Manufacture date: 23 July 2014

Specification: HS-AS9174 Revision: C  
Comments: NOTE: SPECIFICATION REQUIREMENT APPLIES TO AVERAGE RESULT ONLY  
Listed below are the specifications covered by the Henkel specification HS-AS9174.

Specification	Revision
030-804-741	O
031 000300	F
03100201000	H
03200201000	C
03200261000	J
034-800-042	
014125	17
020129-0004	01
09-LC0072	F
1002265-001	D
11501610	
130187	C
13303691	R
171A4702-P5	J
22 00271 006	A
22/A843	
233353	C
2992-158	E
3007-104	
304169	B
317750	NA
38-18506-0011-1	H
400-3612	H
400-3612-102	AY
417441-2001 (PINT)	AY
417441-2002 (QUART)	C
4613-0011	D
463949	A
46D147	D
5000-501-047	AD
501C0120-04-020	J
528-40896	6
593300683	

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# Addendum

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Attention of:  
Aviall Inc  
PO Box 619048  
Dallas TX 75261-9048

YOUR ORDER: 45033769  
DATE OF ORDER: 29 April 2014  
DELIVERY NOTE: 86370054  
DELIVERY POSITION: 900001  
CUSTOMER NO: 441537

## Specification

## Revision

6079109	E
612111-002	D1
6133156	XC
6275070	L
701019	A
703337-001	K
7070930-01	A
717806031	D
73030SOCN-759625	
740207P17	1
75 T-2-1006-2-1 W/LTR EVC/216/97	AA
7528039-17	E
759625	
80063-25	B
866-530725-001 (PINT)	B
866-530725-002 (QT)	D
879451-00	B
9-3069 ECR 08494	A
900675-1 W/EXCEPT PER LT 3-13-95	A
9007053	
917AS10195	C
917AS1875	D
9602-0043	C
965385	B
99600-0013-702	B
A24262	
ALMS 1210 SCN 1	A
APD40683	E
APS1-154	A
ASN-A4041	D
ATC 44239	B
BACM 362	T
BMS 11030	M
BMS 200104	A
BMS 200201	D
BMS 360782	F
BMS 707470	A
BS 515055	
C01-011	
C77712	J
CDM200-01 (TYPE 4.8)	G
COMS-0004-3 TYPE 2	01
DAN 1196	
DON394	
DPM 3485	
DPM 5535-2	
DPM 5535-2 (F-15 PROGRAM ONLY)	AA
DPS 1.07-39 TYPE 6	R
DPS 1.07-71 TYPE 2	NC
EDS 1004-1	

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DELIVERY POSITION: 900001  
CUSTOMER NO: 441537

## Specification

## Revision

EMPS 100003.0-1	B
EPS 30-135	D
ES70089 W/ECO	A
FS01155-002	B
G277679-1	N
GEN-PS5402 CLASS 1 WITH EXCEPTION	D
HMS 20-1762 TY III CL 2 GR B AMD 1	T
HP 16-93 CLASS 6	AW
HS 1265 CODE IVA1-2	A
LA0106-156 TYPE 2	2
M22GB15ZS-T001	5
M495 TYI CL3	F
MA-192	1
MDTI 1210	C
MIL-STD-186 CODE 517 (TYPE 1, CLASS 3)	B
MO855-001-01	
MPS300031	
MS34.40-29	
MSRR 9328 ISSUE 3	
MTL-P-0029	
NSN 8040-00-016-8662 (QT)	
NSN 8040-00-810-5414 (PT)	
NSN 8040-01-137-4505 (QT)	
NSN 8040-01-347-7599 (25 GRAM E-Z)	
NSN 8040-01-347-7600 (50 GRAM E-Z)	
NSN 8040-995-7017 (GAL)	
P695653-84	AB
PCR 07:03 TYPE 1 GRADE A	B
PDL 4972	03
PS 13508 TYPE VIII	E
SCD-10451	C
SCGMS-51034 TYPE III CLASS 2 GRADE B	
ST32E3621	
STBM0008-01	H
STD 1/9338 (9338-03)	6
SVHS9122	G

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